

## REMARKS

This is intended as a full and complete response to the Office Action dated June 2, 2005, having a shortened statutory period for response set to expire on July 2, 2005. Claims 1-15, 17-26 and 28-43 have been amended to correct matters of form. Claims 16 and 27 have been amended to clarify the invention. New claim 44 has been added to more clearly recite aspects of the invention. Applicant believes no new matter has been introduced by the amendments and the new claim presented herein. The amendments have been made in a good faith effort to advance prosecution on the merits. Please reconsider the claims pending in the application for reasons discussed below.

Claims 1-43 stand restricted under 35 U.S.C. § 121 as follows:

Invention I. Claims 1-15, drawn to a field emitter beam source, classified in class 257, subclass 133.

Invention II. Claims 16-26, drawn to a field emitter beam source array, classified in class 257, subclass 107.

Invention III. Claims 27-43, drawn to a method for generating beam current pulses, classified in class 315, subclass 168.

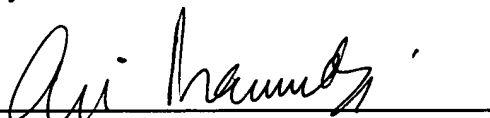
The examiner takes the position that Groups I, II and III are related as product and process of use. More specifically, the Examiner states that the product of Groups I and II can be used in a different process than Group III, such as the beam current is switched on once rather than at least twice, as required in Group III, or the process in Group III can be practiced with a different product comprising JFET instead of MOSFET in a voltage control unit. The examiner further takes the position Groups I and II are related as combination and subcombination. More specifically, the Examiner states that the combination as claimed does not require the particulars of the subcombination as claimed because Group II does not require any extracting electrode, voltage control unit having n-channel and p-channel MOSFETs. The Examiner further states that subcombination has separate utility such as being used as a beam source in plasma display panel, LCD, and the like.

In response, Applicants provisionally elect claims 1-15 with traverse for consideration by the Examiner. Claims 16-26 and 27-43 have been amended to include

all the limitations of claim 1. Furthermore, switching on the device twice instead of once does not involve a different process. Accordingly, claims 16-26 and 27-43 involve the same inventive concept as claims 1-15. Withdrawal of the restriction is respectfully requested.

Having addressed all issues set out in the Restriction Requirement, Applicants respectfully submit that the claims are in condition for allowance and respectfully request that the claims be allowed.

Respectfully submitted,



Ari Pramudji

Registration No. 45,022

MOSEY, PATTERSON & SHERIDAN, L.L.P.

3040 Post Oak Blvd., Suite 1500

Houston, TX 77056

Telephone: (713) 623-4844

Facsimile: (713) 623-4846

Attorney for Applicant